

# EUROPEAN PATENT OFFICE

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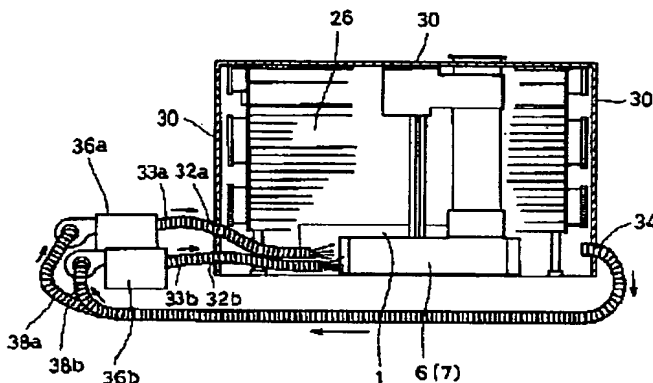
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APPLICANT : KAWAJU REINETSU KOGYO KK;

INVENTOR : KAMIOKA SUSUMU;

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TITLE : METHOD AND APPARATUS FOR  
MELTING CRYSTAL OF ABSORPTION  
REFRIGERANT AND HOT AND  
CHILLED WATER GENERATOR



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**ABSTRACT :** PURPOSE: To easily, safely and effectively melt crystal generated by the stop of a machine in a short time in an absorption refrigerator and a hot and chilled water generator in which lithium bromide water solution or other salt or the like solution is used as absorbing solution.

CONSTITUTION: An absorption refrigerator and a hot and chilled water generator form a refrigerant channel and an absorbing solution channel by connecting units such as a regenerator, a condenser, an evaporator, an absorber, a solution heat exchanger, a pump for refrigerant liquid, a pump for absorbing solution via tubes. When the operation is stopped due to power interruption or the malfunction of the absorbing solution pump, hot air from hot air generators 36a, 36b is introduced into a heat radiation preventive pump, hot air from hot air generators 36a, 36b is introduced into a heat radiation preventive cover 30 covering the entirety or the part of the refrigerator and the generator to raise the solution to a crystallizing temperature or higher to melt a crystal.

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